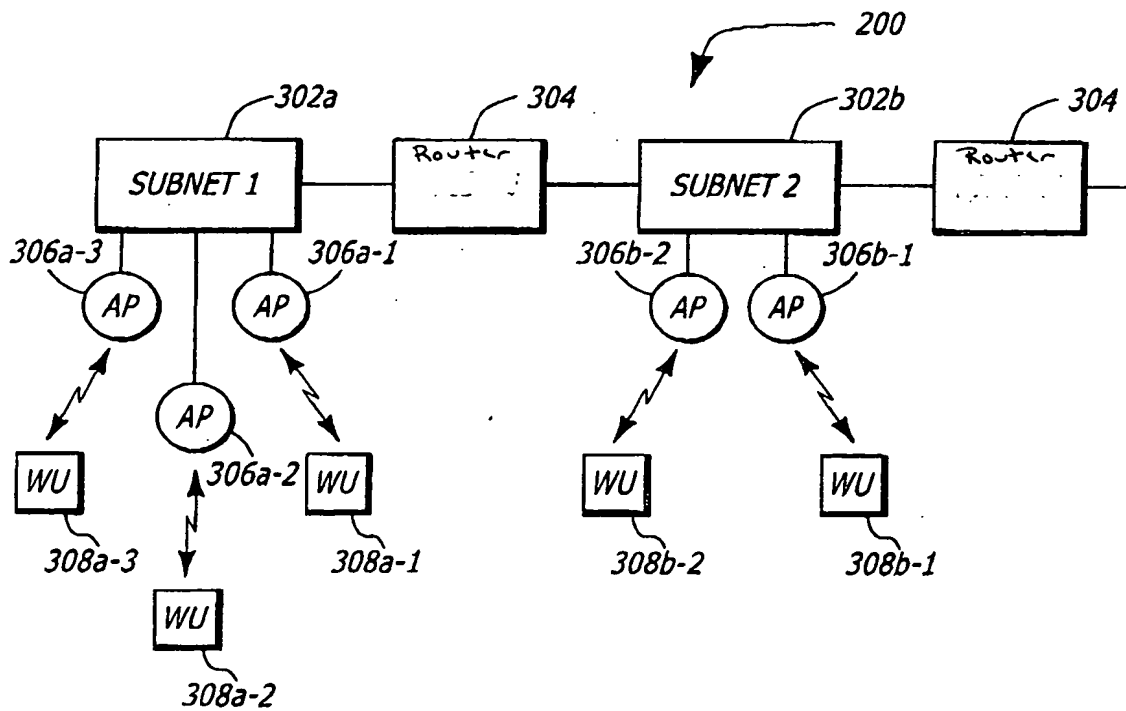
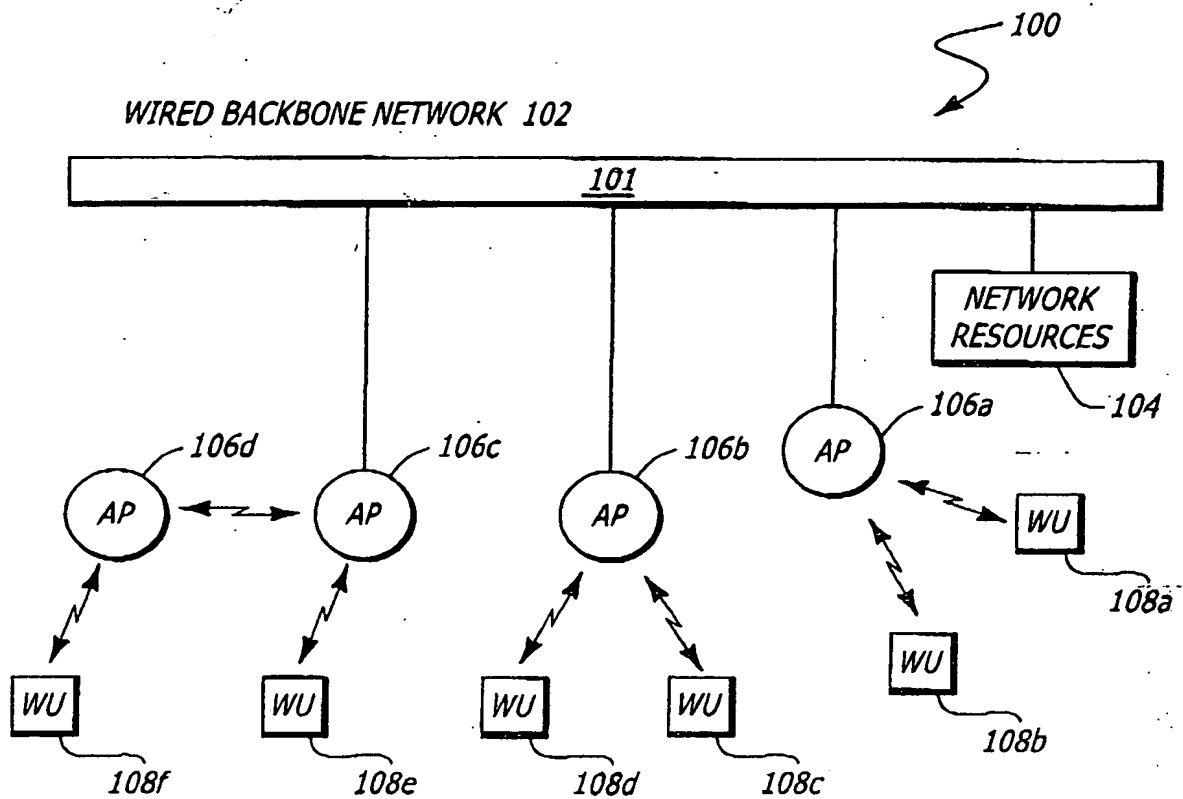


WIRED BACKBONE NETWORK 102

The diagram illustrates the internal architecture of a Wireless LAN Access Point (AP 106b). The system is connected to a network (102) via a bidirectional dashed line. Inside the AP, the following components and their interconnections are shown:

- Logic 200** and **Logic 202**: These are the main processing units, connected by a large bidirectional arrow. Logic 200 is connected to the network interface (102) and the Address Table (204). Logic 202 is connected to the Wireless Transceiver (208) and the Device Mgmt Module (206).
- Address Table (204)**: A table that stores address information, connected to both Logic 200 and Logic 202.
- Device Mgmt Module (206)**: A module responsible for managing the device, connected to both Logic 200 and Logic 202, and also to the Power Amp (209) and the I/F (216).
- Wireless Transceiver (208)**: The component that handles wireless communication, connected to Logic 202 and the Antenna (210).
- Power Amp (209)**: A power amplifier connected to the Device Mgmt Module (206) and the Antenna (210).
- Antenna (210)**: The external component that radiates and receives radio signals, shown with three arrows indicating signal direction.
- Other Components**: A **CAM** (212) and **HAF** (214) are connected to Logic 200. An **I/F** (216) is connected to the Device Mgmt Module (206).

FIG. 2


```

graph TD
    Start([START]) --> 700[TRANSMIT MESSAGE FROM A FIRST  
DEVICE TO A SECOND DEVICE]
    700 --> 710{FIRST DEVICE  
RECEIVES RESPONSE  
WITHIN SET  
TIME ?}
    710 -- YES --> 720[REDUCE POWER LEVEL  
OF THE DEVICE]
    710 -- NO --> 740{IS N  
>  
THRESHOLD ?}
    740 -- YES --> 760[INCREASE POWER LEVEL  
OF THE FIRST DEVICE]
    740 -- NO --> 750[N=N+1;]
    720 --> 730{N=0}
    760 --> 730
    750 --> 740
    730 -- YES --> Start
    730 -- NO --> Exit(( ))
  
```

FIG. 7

```
graph TD; START([START]) --> 800[MONITOR BEACONS ON THE SAME AND/OR NEIGHBORING CHANNELS]; 800 --> 810{DETECT BEACON ON THE SAME OR NEIGHBORING CHANNEL?}; 810 -- YES --> 800[REDUCE POWER LEVEL]; 810 -- NO --> 810; 800 --> END([END]);
```

FIG. 8